

Figure 1A

>1864683 GGGGCTGTAC CAGGGCGTGC CCAGAGCTGA GCCGGGCACC GAGGCCCCGA
>1711346 AC CAGGGCGTGC CCAGAGCTGA GCCGGGCACC GAGGCCCCGA
>1711346 AC CAGGGCGTGC CCAGAGCTGA GCCGGGCACC GAGGCCCCGA
Consensus GGGGCTGTAC CAGGGCGTGC CCAGAGCTGA GCCGGGCACC GAGGCCCCGA

>1864683 GACACTATGA TGAAGGCAGTT CGGATGGGCA GCCTGGGCT GTTCCTGCAG
>1711346 GACACTATGA TGAAGGCAGTT CGGATGGGCA GCCTGGGCT GTTCCTGCAG
>1711346 GACACTATGA TGAAGGCAGTT CGGATGGGCA GCCTGGGCT GTTCCTGCAG
Consensus GACACTATGA TGAAGGCAGTT CGGATGGGCA GCCTGGGCT GTTCCTGCAG

>1864683 TGCGCCATCT CCCTGGTCTT CTCTCTGGTC ATGGACCGGC TGGTGCAGCG
>1711346 TGCGCCATCT CCCTGGTCTT CTCTCTGGTC ATGGACCGGC TGGTGCAGCG
>1711346 TGCGCCATCT CCCTGGTCTT CTCTCTGGTC ATGGACCGGC TGGTGCAGCG
Consensus TGCGCCATCT CCCTGGTCTT CTCTCTGGTC ATGGACCGGC TGGTGCAGCG

>1864683 ATTCCGGCACT CGAGCAGTCT ATTTGGCCAG TGTGGCAGCT TTCCCTGTGG
>1711346 ATTCCGGCACT CGAGCAGTCT ATTTGGCCAG TGTGGCAGCT TTCCCTGTGG
>1711346 ATTCCGGCACT CGAGCAGTCT ATTTGGCCAG TGTGGCAGCT TTCCCTGTGG
Consensus ATTCCGGCACT CGAGCAGTCT ATTTGGCCAG TGTGGCAGCT TTCCCTGTGG

>1864683 CTGCCGGTGC CACATGCCCTG TCCCACAGTG TGGCCGTGGT GACAGCTTCA
>1711346 CTGCCGGTGC CACATGCCCTG TCCA
>1711346 CTGCCGGTGC CACATGCCCTG TCCCACAGTG TGGCCGTGGT GACAGCTTCA
>1913982 GACAGCTTCA
Consensus CTGCCGGTGC CACATGCCCTG TCCCACAGTG TGGCCGTGGT GACAGCTTCA

>1864683 GCCGCCTT
>1711346 GCCGCCTCA CCGGGTTACAC CTTCTCAGCC CTGCAGATCC TGCCCTACAC
>1913982 GCCGCCTCA CCGGGTTACAC CTTCTCAGCC CTGCAGATCC TGCCCTACAC
Consensus GCCGCCTCA CCGGGTTACAC CTTCTCAGCC CTGCAGATCC TGCCCTACAC

>1711346 ACTGGCCTCC CTCTTACCAACC GGGAGAAGCA GGTGTTCTG CCCAAATACC
>1913982 ACTGGCCTCC CTCTTACCAACC GGGAGAAGCA GGTGTTCTG CCCAAATACC
Consensus ACTGGCCTCC CTCTTACCAACC GGGAGAAGCA GGTGTTCTG CCCAAATACC

>1711346 GAGGGGACAC TGGAGGTGCT AGCAGTGAGG ACAGCCTGAT GACCAGCTTC
>1913982 GAGGGGACAC TGGAGGTGCT AGCAGTGAGG ACAGCCTGAT GACCAGCTTC
Consensus GAGGGGACAC TGGAGGTGCT AGCAGTGAGG ACAGCCTGAT GACCAGCTTC

>1711346 CTGCCAGGCC CTAAGCCTGG AGCTCCCTTC CCTAATGGAC ACGTGGGTGC
>1913982 CTGCCAGGCC CTAAGCCTGG AGCTCCCTTC CCTAATGGAC ACGTGGGTGC
>825779 GCTCCCTTC CCTAATGGAC ACGTGGGTGC
Consensus CTGCCAGGCC CTAAGCCTGG AGCTCCCTTC CCTAATGGAC ACGTGGGTGC

>1711346 TGGAGGCAGT GGCCTGCTCC CACCTCCACC CGCGCTCTGC GGGGCCTCTG
>1913982 TGGAGGCAGT GGCCTGCTCC CACCTCCACC CGCGCTCTGC GGGGC
>825779 TGGAGGCAGT GGCCTGCTCC CACCTCCACC CGCGCTCTGC GGGGCCTCTG
Consensus TGGAGGCAGT GGCCTGCTCC CACCTCCACC CGCGCTCTGC GGGGCCTCTG

Figure 1B

>1711346	CCTGTGATGT CTCCGTACGT GTGGTGGTGG GTGAGCCCAC CGAGGCCAGG
>825779	CCTGTGATGT CTCCGTACGT GTGGTGGTGG GTGAGCCCAC CGAGGCCAGG
Consensus	CCTGTGATGT CTCCGTACGT GTGGTGGTGG GTGAGCCCAC CGAGGCCAGG
>1711346	GTGGTTCCGG GCCGGGGCAT CTGCCTGGAC CTCGCCATCC TGGATAGTGC
>825779	GTGGTTCCGG GCCGGGGCAT CTGCCTGGAC CTCGCCATCC TGGATAGTGC
>2626650	TGGATAGTGC
Consensus	GTGGTTCCGG GCCGGGGCAT CTGCCTGGAC CTCGCCATCC TGGATAGTGC
>1711346	CTTCCTGCTG TCCCAGGTGG CCCCATCCCT GTTTATGGGC TCCATTGTCC
>825779	CTTCCTGCTG TCCCAGGTGG CCCCATCCCT GTTTATGGGC TCCATTGTCC
>2626650	CTTCCTGCTG TCCCAGGTGG CCCCATCCCT GTTTATGGGC TCCATTGTCC
Consensus	CTTCCTGCTG TCCCAGGTGG CCCCATCCCT GTTTATGGGC TCCATTGTCC
>1711346	AGCTCAGCCA GTCTGTCACT GCCTATATGG TGTCTGCCGC AGGCCTGGGT
>825779	AGCTCAGCCA GTCTGTCACT GCCTATATGG TGTCTGCCGC AGGCCTGGGT
>2626650	AGCTCAGCCA GTCTGTCACT GCCTATATGG TGTCTGCCGC AGGCCTGGGT
Consensus	AGCTCAGCCA GTCTGTCACT GCCTATATGG TGTCTGCCGC AGGCCTGGGT
>1711346	CTGGTCGCCA TTTACTTTGC TACACAGGTA GTATTTGACA AGAGCGACTT
>2626650	CTGGTCGCCA TTTACTTTGC TACACAGGTA GTATTTGACA AGAGCGACTT
>1808389	CTT
Consensus	CTGGTCGCCA TTTACTTTGC TACACAGGTA GTATTTGACA AGAGCGACTT
>1711346	GGCCAAATAC TCAGCGTAGA AAACCTCCAG CACATTGGGG TGGAGGGCCT
>2626650	GGCCAAATAC TCAGCGTAGA AAACCTCCAG CACATTGGGG TGGAGGGCCT
>1808389	GGCCAAATAC TCAGCGTAGA AAACCTCCAG CACATTGGGG TGGAGGGCCT
Consensus	GGCCAAATAC TCAGCGTAGA AAACCTCCAG CACATTGGGG TGGAGGGCCT
>1711346	GCCTCACTGG GTCCCAGCTC CCCGCTCCTG TTAGCCCCAT GGGGCTGCCG
>2626650	GCCTCACTGG GTCCCAGCTC CC
>1808389	GCCTCACTGG GTCCCAGCTC CCCGCTCCTG TTAGCCCCAT GGGGCTGCCG
Consensus	GCCTCACTGG GTCCCAGCTC CCCGCTCCTG TTAGCCCCAT GGGGCTGCCG
>1711346	GGCTGGCCGC CAGTTCTGT TGCTGCCAAA GTAATGTGGC TCTCTGCTGC
>1808389	GGCTGGCCGC CAGTTCTGT TGCTGCCAAA GTAATGTGGC TCTCTGCTGC
>1651121	GC CAGTTCTGT TGCTGCCAAA GTAATGTGGC TCTCTGCTGC
Consensus	GGCTGGCCGC CAGTTCTGT TGCTGCCAAA GTAATGTGGC TCTCTGCTGC
>1711346	CACCCGTGTC TGCTGAGGTG CGTAGCTGCA CAGCTGGGGG CTGGGGCGTC
>1808389	CACCCGTGTC TGCTGAGGTG CGTAN: TGCA CAGCTGGGGG CTG
>1651121	CACCCGTGTC TGCTGAGGTG CGTAN: TGCA CAGCTGGGGG CTGGGGCGTC
Consensus	CACCCGTGTC TGCTGAGGTG CGTAG: TGCA CAGCTGGGGG CTGGGGCGTC
>1711346	CCTCTCCTCT CTCCCCAGTC TCTAGGGCTG CCTGACTGGA GGCCTTCCAA
>1651121	CCTCTCCTCT CTCCCCAGTC TCTAGGGCTG CCTGACTGGA GGCCTTCCAA
Consensus	CCTCTCCTCT CTCCCCAGTC TCTAGGGCTG CCTGACTGGA GGCCTTCCAA

Figure 1C

>1711346 GGGGGTTTCA GTCTGGACTT ATACAGGGAG GCCAGAAGGG CTCCATGCAC
>1651121 GGGGGTTTCA GTCTGGACTT ATACAGGGAG GCCAGAAGGG CTCCATGCAC
>3520833 GCCAGAAGGG CTCCATGCAC
Consensus GGGGGTTTCA GTCTGGACTT ATACAGGGAG GCCAGAAGGG CTCCATGCAC

>1711346 TGGAATGCGG GGACTCTGCA GGTGGATTAC CCAGGCTCAG GTTAAACAGC
>1651121 TGGAATGCGG GGACTCTGCA GGTGGATTAC NC
>3520833 TGGAATGCGG GGACTCTGCA GGTGGATTAC CCAGGCTCAG GTTAAACAGC
Consensus TGGAATGCGG GGACTCTGCA GGTGGATTAC CCAGGCTCAG GTTAAACAGC

>1711346 TAGCCTCCTA GTTGAGACAC ACCTAGAGAA GGGTTTTGG GAGCTGAATA
>3520833 TAGCCTCCTA GTTGAGACAC ACCTAGAGAA GGGTTTTGG GAGCTGAATA
Consensus TAGCCTCCTA GTTGAGACAC ACCTAGAGAA GGGTTTTGG GAGCTGAATA

>1711346 AACTCAGTCA CCTGGTTTCC CATCTCTAAG CCCCTTAACC TGCAGCTTCG
>3520833 AACTCAGTCA CCTGGTTTCC CATCTCTAAG CCCCTTAACC TGCAGCTTCG
Consensus AACTCAGTCA CCTGGTTTCC CATCTCTAAG CCCCTTAACC TGCAGCTTCG

>1711346 TTTAATGTAG CTCTTGATG GGAGTTTCTA GGATGAAACA CTCCCTCCATG
>3520833 TTTAATGTAG CTCTTGATG GGAGTTTCTA GGATGAAACA CTCCCTCCATG
Consensus TTTAATGTAG CTCTTGATG GGAGTTTCTA GGATGAAACA CTCCCTCCATG

>1711346 GGATTGAAAC ATATGAAAGT TATTGTAGG GGAAGAGTCC TGAGGGGCAA
>3520833 GGATTGAAAC ATATGAAAGT TATTGTAGG GGAAGAGTCC TGAGGGGCAA
>2188949 GGATTGAAAC ATATGAAAGT TATTGTAGG GGAAGAGTCC TGAGGGGCAA
Consensus

>1711346 CACACAAGAA CCAGGTCCCC TCAGCCCACA GCACTGTCTT TTTGCTGATC
>3520833 CACACAAGAA CCAGGTCCCC TCAGCCCACA GCACTGTCTT TTTGCTGATC
>2188949 CACACAAGAA CCAGGTCCCC TCAGCCCACA GCACTGTCTT TTTGCTGATC
Consensus CACACAAGAA CCAGGTCCCC TCAGCCCACA GCACTGTCTT TTTGCTGATC

>1711346 CACCCCCCTC TTACCTTTA TCAGGGATGTG GCCTGTTGGT CCTTCTGTTG
>3520833 CANCCCCCTC TTAC:TTTA TCA
>2188949 CACCCCCCTC TTACCTTTA TCAGGGATGTG GCCTGTTGGT CCTTCTGTTG
>3497504 CTC TTACCTTTA TCAGGGATGTG GCCTGTTGGT CCTTCTGTTG
Consensus CACCCCCCTC TTACCTTTA TCAGGGATGTG GCCTGTTGGT CCTTCTGTTG

>1711346 CCATCACAGA GACACAGGCA TTTAAATATT TAACTTATTT ATTTAACAAA
>2188949 CCATCACAGA GACACAGGCA TTTAAATATT TAACTTATTT ATTTAACAAA
>3497504 CCATCACAGA GACACAGGCA TTTAAATATT TAACTTATTT ATTTAACAAA
Consensus CCATCACAGA GACACAGGCA TTTAAATATT TAACTTATTT ATTTAACAAA

>1711346 GTAGAAGGGA ATCCATTGCT AGCTTTCTG TGTTGGTGTCA TAAATTTGG
>2188949 GTAGAAGGGA ATCCATTGCT AGCTTTCTG TGTTGGTGTCA TAAATTTGG
>3497504 GTAGAAGGGA ATCCATTGCT AGCTTTCTG TGTTGGTGTCA TAAATTTGG
Consensus GTAGAAGGGA ATCCATTGCT AGCTTTCTG TGTTGGTGTCA TAAATTTGG

Figure 1D

>1711346	GTAGGGTGGG GGATCCCCAA CAATCAGGTC CCCTGAGATA GCTGGTCATT
>2188949	GTAGGGTGGG GGATCCCCAA CAATCAGGTC CCCTGAGATA GCT
>3497504	GTANGGTGGG GGATCCCCAA CAATCAGGTC CCCTGAGATA GCTGGTCATT
Consensus	GTAGGGTGGG GGATCCCCAA CAATCAGGTC CCCTGAGATA GCTGGTCATT
>1711346	GGGCTGATCA TTGCCAGAAT CTTCTTCTCC TGGGGTCTGG CCCCCCAAAA
>3497504	GGGCTGATCA TTGCCAGAAT CTTCTTCTCC TGGGGTCTGG CCCCCCAAAA
Consensus	GGGCTGATCA TTGCCAGAAT CTTCTTCTCC TGGGGTCTGG CCCCCCAAAA
>1711346	TGCCTAACCC AGGACCTTGG AAATTCTACT CATCCAAAT GATAATTCCA
>3497504	TGCCTAACCC AGGACCTTGG AAATTCTACT CATCCAAAT GATAA
>3964174	AAATTCTACT CATCCAAAT GATAATTCCA
Consensus	TGCCTAACCC AGGACCTTGG AAATTCTACT CATCCAAAT GATAATTCCA
>1711346	AATGCTGTTA CCCAAGGTTA GGGTGTGAA GGAAGGTTAGA GGGTGGGGCT
>3964174	AATGCTGTTA CCCAAGGTTA GGGTGTGAA GGAAGGTTAGA GGGTGGGGCT
Consensus	AATGCTGTTA CCCAAGGTTA GGGTGTGAA GGAAGGTTAGA GGGTGGGGCT
>1711346	TCAGGTCTCA ACGGCTTCCC TAACCACCCC TCTTCTCTTG GCCCAGCCTG
>3964174	TCAGGTCTCA ACGGCTTCCC TAACCACCCC TCTTCTCTTG GCCCAGCCTG
Consensus	TCAGGTCTCA ACGGCTTCCC TAACCACCCC TCTTCTCTTG GCCCAGCCTG
>1711346	GTTCCCCCA CTTCCACTCC CCTCTACTCT CTCTAGGACT GGGCTGATGA
>3964174	GTTCCCCCA CTTCCACTCC CCTCTACTCT CTCTAGGACT GGGCTGATGA
>3705332	A
Consensus	GTTCCCCCA CTTCCACTCC CCTCTACTCT CTCTAGGACT GGGCTGATGA
>1711346	AGGCACTGCC CAAAATTTC CCTACCCCCA ACTTTCCTTACCTTACCTTACCTT
>3964174	AGGCACTGCC CAAAATTTC CCTACCCCCA ACTTTCCTTACCTTACCTTACCTT
>3705332	AGGCACTGCC CAAAATTNNCC CCTACCCCCA ACTTTCCTTACCTTACCTTACCTT
Consensus	AGGCACTGCC CAAAATTTC CCTACCCCCA ACTTTCCTTACCTTACCTTACCTT
>1711346	TTCCCCCACCA GCTCCACAAC CCTGTTTGGA GCTACTGCAG GACCAGAAGC
>3964174	TTCCCCCACCA GCTCCACAAC CCTGTTTGGA GCTACTGCAG GT
>3705332	TTCCCCCACCA GCTCCACAAC CCTGTTTGGA GCTACTGCAG GACCAGAAGC
>2270646	CTCCACAAC CCTGTTTGGA GCTACTGCAG GACCAGAAGC
Consensus	TTCCCCCACCA GCTCCACAAC CCTGTTTGGA GCTACTGCAG GACCAGAAGC
>1711346	ACAAAGTGCAG GTTTCCCAAG CCTTTGTCCA TCTCAGCCCC CAGAGTATAT
>3705332	ACAAAGTGCAG GTTTCCCAAG CCTTTGTCCA TCTCAGCCCC CAGAGTATAT
>2270646	ACAAAGTGCAG GTTTCCCAAG CCTTTGTCCA TCTCAGCCCC CAGAGTATAT
>1810610	CC CAGAGTATAT
Consensus	ACAAAGTGCAG GTTTCCCAAG CCTTTGTCCA TCTCAGCCCC CAGAGTATAT
>1711346	CTGTGCTTGG GGAATCTCAC ACAGAAACTC AGGAGCACCC CCTGCCTGAG
>3705332	CTGTGCTTGG GGAATCTCAC ACAGAAACTC AGGAGCACCC CCTGCNTGAG
>2270646	CTGTGCTTGG GGAATCTCAC ACANAAACTC AGGAGCACCC CCTGCCTGAG
>1810610	CTGTGCTTGG GGAATCTCAC ACAGAAACTC AGGAGCACCC CCTGCCTGAG
Consensus	CTGTGCTTGG GGAATCTCAC ACAGAAACTC AGGAGCACCC CCTGCCTGAG

Figure 1E

>1711346	CTAAGGGAGG TCTTATCTCT CAGGGGGGGT TTAAGTGCCG TTTGCAATAA
>3705332	CTAAGGGAGG TCTTATCTCT CAGGGGGGGT TTAAGTGCCG TTTGCAATAA
>2270646	CTAAGGGNGG TC
>1810610	CTAAGGGAGG TCTTATCTCT CAGGGGGGGT TTAAGTGCCG TTTGCAATAA
Consensus	CTAAGGGAGG TCTTATCTCT CAGGGGGGGT TTAAGTGCCG TTTGCAATAA
>1711346	TGTCGTCTTA TTTTTTTAGC GGGGTGAATA TTTTATACTG TAAGTGAGCA
>3705332	TGTCGTCTTA TTTATTTAGC GGGGTGAATA TTTTATACTG TAA
>1810610	TGTCGTCTTA TTTATTTAGC GGGGTGAATA TTTTATACTG TAAGTGAGCA
Consensus	TGTCGTCTTA TTTATTTAGC GGGGTGAATA TTTTATACTG TAAGTGAGCA
>1711346	ATCAGAGTAT AATGTTTATG GTGACAAAAT TAAAGGCTTT CTTATATGTT
>1810610	ATCAGAGTAT AATGTTTATG GTGACAAAAT TAAAGGCTTT CTTATATGTT
Consensus	ATCAGAGTAT AATGTTTATG GTGACAAAAT TAAAGGCTTT CTTATATGTT
>1711346	TA
>1810610	T
Consensus	TA

Figure 2

1864683
1711346
1711361H
1913982
825779
2626650
1808389
1651121
3520833
2188949
3497504
396474
3705332
2270646
1810610

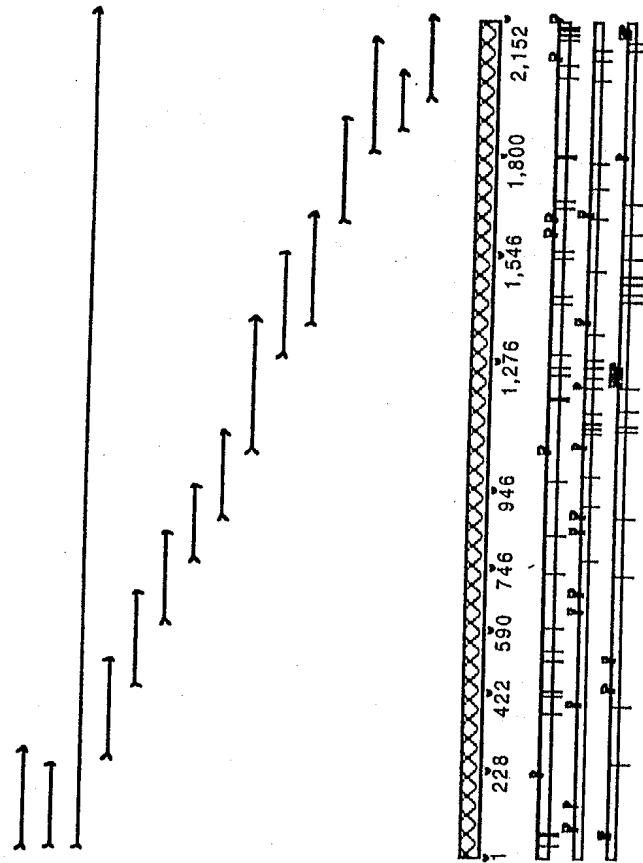
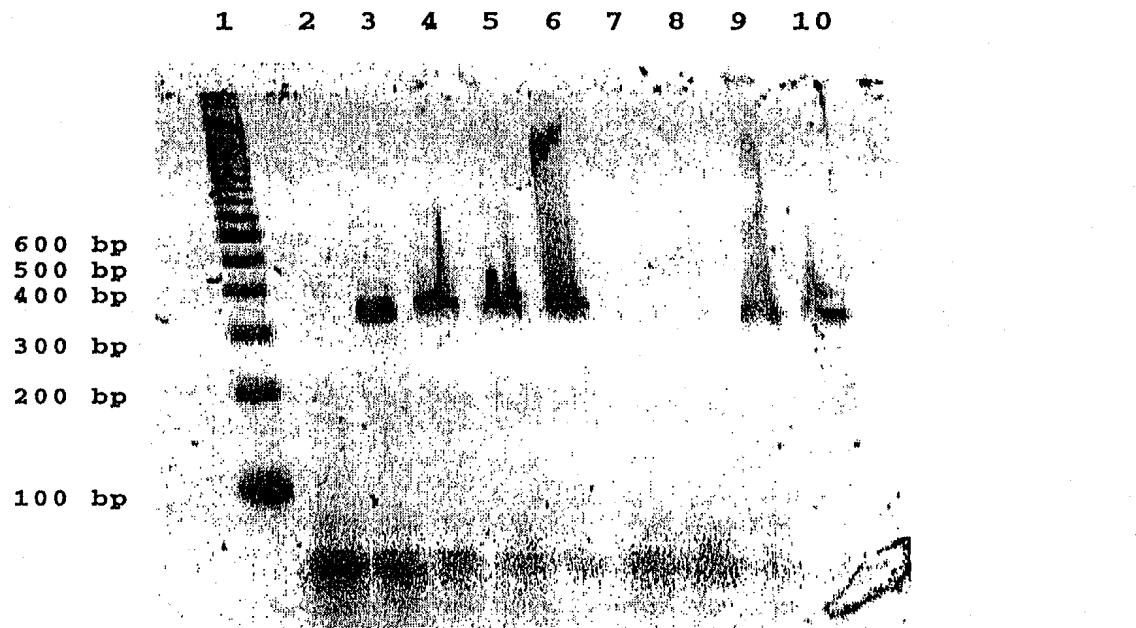
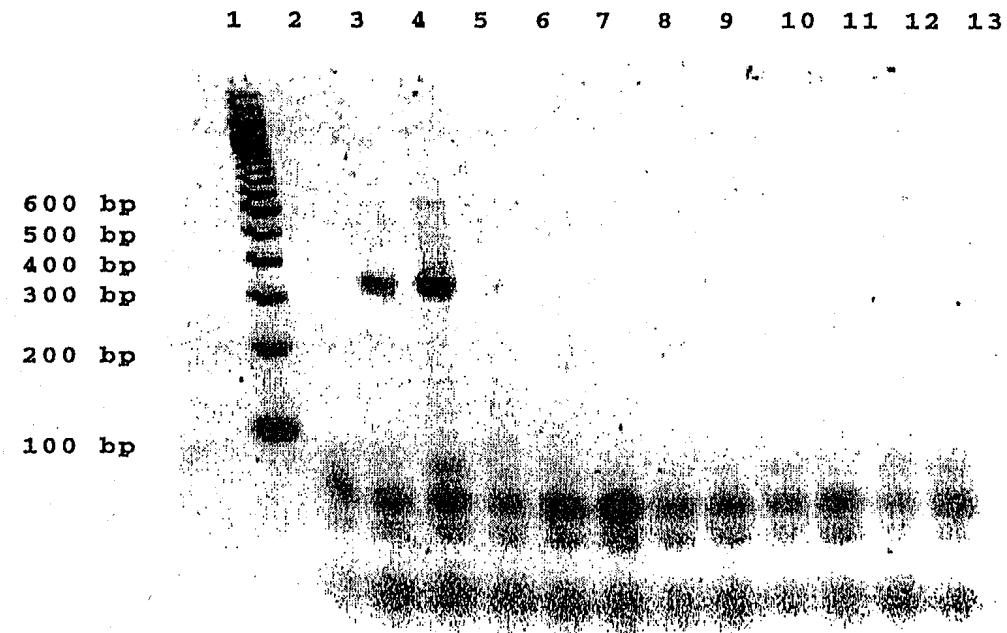


Figure 3A



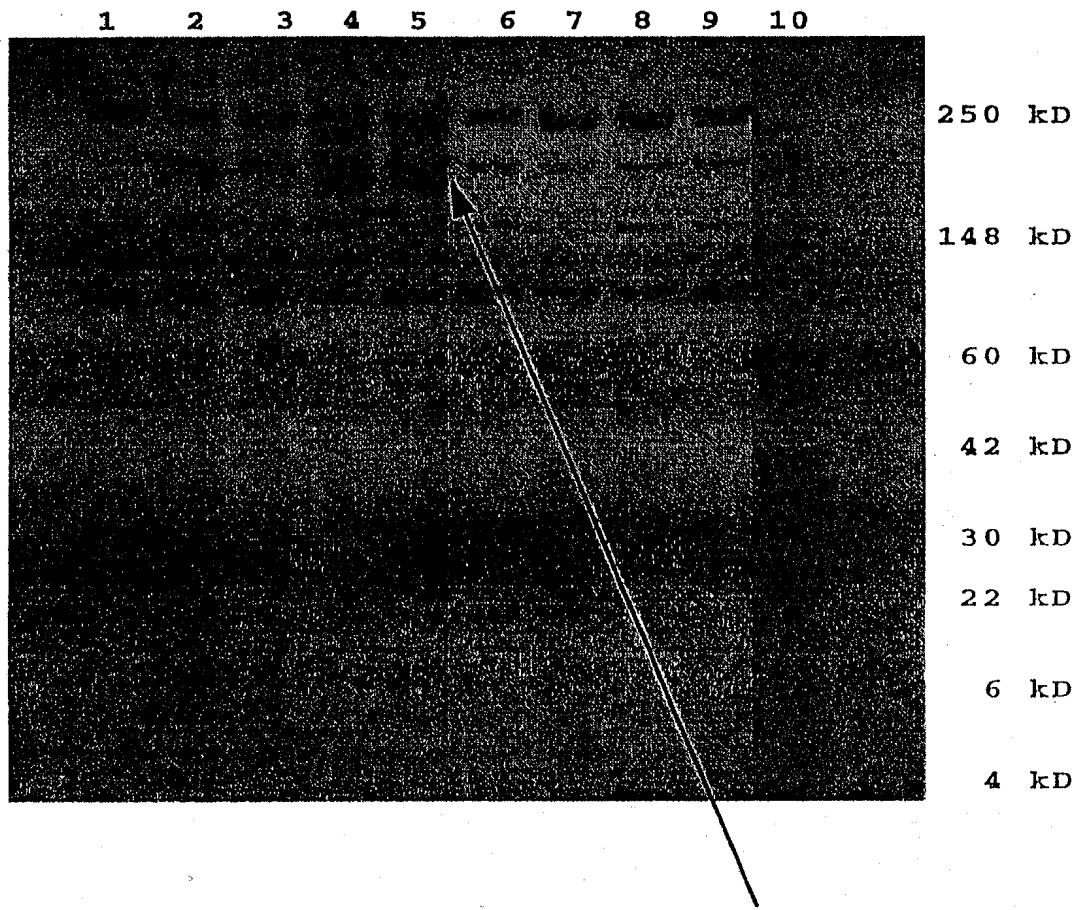
Lane	Tissue	Lane	Tissue
1	100 bp DNA Marker	6	Prostate BPH
2	Placental DNA	7	Prostate Cancer
3	Prostate BPH	8	Prostate Cancer
4	Prostate BPH	9	Prostate Cancer
5	Prostate Cancer	10	Prostate BPH Diluted duplicate of Lane 6

Figure 3B



Lane	Tissue	Lane	Tissue
1	100 bp DNA Marker	8	Breast Cancer
2	Placental DNA	9	Breast Cancer
3	Prostate BPH	10	Normal Breast
4	Prostate Cancer	11	Normal Lung
5	Colon Cancer	12	Normal Lung
6	Colon Cancer	13	Lung Cancer
7	Normal Colon		

Figure 4



Lane	Tissue	Lane	Tissue
1	Colon Cancer	6	Normal Lung
2	BPH	7	Normal Lung
3	BPH	8	Breast Cancer
4	BPH	9	Breast Cancer
5	Prostate Cancer	10	Mol Wt Markers